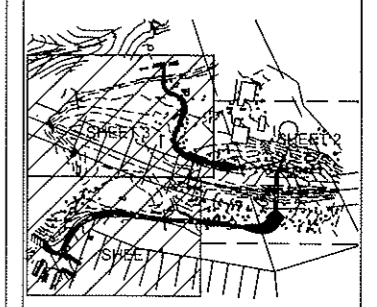


# HDR

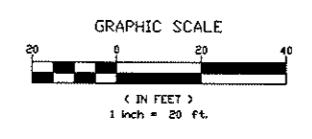
HDR Engineering, Inc.  
 303 Perimeter Center North, Ste. 400  
 Atlanta, Georgia 30346  
 Phone: (678) 775-4800

### Key Map



### SOUTH PEACHTREE CREEK TRAIL - PHASE 2 PATH FOUNDATION

ISSUE	DATE	DESCRIPTION
PROJECT NUMBER	391092-83416	
PROJECT MANAGER	WRB	



XIA ZHU  
 GSWCC NO. 40324 EXP. 03/22/2010

24-HOUR CONTACT OF -- PATH FOUNDATION  
 PETE PELLEGRINI  
 GA GSWCC LEVEL I CERTIFICATION# 29813  
 EXP. 12/12/2009  
 404-875-7284 404-277-5392



### EROSION CONTROL PLAN

SCALE	1"=20'-0"
FILE NAME	83416-01-350
SHEET NAME	EC-2





GEORGIA UNIFORM CODING SYSTEM  
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION	CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Cd	CHECKDAM			A SMALL TEMPORARY BARRIER OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH OR AREA OF CONCENTRATED FLOW.	Sd2	SEDIMENT TRAP, TEMPORARY			AN IMPOUNDED AREA CREATED BY EXCAVATING AROUND A STORM DRAIN INLET. THE EXCAVATED AREA WILL BE FILLED AND STABILIZED ON COMPLETION OF CONSTRUCTION ACTIVITIES.
Ch	CHANNEL STABILIZATION			IMPROVING, CONSTRUCTING OR STABILIZING AN OPEN CHANNEL, EXISTING STREAM, OR DITCH.	Sd3	SEDIMENT BASIN, TEMPORARY			A BASIN CREATED BY EXCAVATION OR A DAM ACROSS A WATERWAY. SURFACE WATER RUNOFF IS TEMPORARILY STORED ALLOWING THE BULK OF THE SEDIMENT TO DROP OUT. THE BASIN IS USUALLY TEMPORARY BUT MAY BE DESIGNED AS PERMANENT POND OR STORMWATER RETENTION.
Cc	CONSTRUCTION EXIT			A CRUSHED STONE PAD LOCATED AT CONSTRUCTION EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.	Sr	TEMPORARY STREAM CROSSING			A TEMPORARY BRIDGE OR CULVERT STRUCTURE PROTECTING A STREAM OR WATERCOURSE FROM DAMAGE BY CROSSING CONSTRUCTION EQUIPMENT.
Cr	CONSTRUCTION ROAD STABILIZATION			A TRAVELWAY CONSTRUCTED AS PART OF A CONSTRUCTION PLAN INCLUDING ACCESS ROADS, SUB-DIVISION ROADS, PARKING AREAS AND OTHER ON-SITE VEHICLE TRANSPORTATION ROUTES.	St	STORMDRAIN INLET/OUTLET PROTECTION			A PAVED OR SHORT SECTION OF RIPRAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF.
Cc	STREAM DIVERSION CHANNEL			A TEMPORARY CHANNEL CON- STRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT STRUCTURE IS BEING CONSTRUCTED.	Su	SURFACE ROUGHENING			A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS ON A CONTOUR OR SLOPE LEFT IN A ROUGHENED CONDITION AFTER GRADING.
Di	DIVERSION			AN EARTH CHANNEL OR DIKE LOCATED ABOVE, BELOW OR ACROSS A SLOPE TO DIVERT RUNOFF. THIS MAY BE A TEMPORARY OR PERMANENT STRUCTURE.	Tp	TOPSOILING			THE PRACTICE OF STRIPPING OFF THE MORE FERTILE SOIL, STORING IT, THEN SPREADING IT OVER THE DISTURBED AREA AFTER COMPLETION OF CONSTRUCTION ACTIVITIES.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE			A FLEXIBLE CONDUIT OF HEAVY-DUTY FABRIC OR OTHER MATERIAL DESIGNED TO SAFELY CONVEY SURFACE RUNOFF DOWN A SLOPE. TEMPORARY AND INEXPENSIVE.	Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL			PAVED OR VEGETATIVE WATER OUTLETS FOR DIVERSIONS, TERRACES, BERMS, DIKES, OR SIMILAR STRUCTURES.
Dn2	PERMANENT DOWNDRAIN STRUCTURE			A PAVED CHUTE, SECTIONAL CONDUIT, PIPE OR SIMILAR MATERIAL DESIGNED TO DESIGNED TO SAFELY CONVEY SURFACE RUNOFF DOWN A SLOPE.	<b>VEGETATIVE MEASURES</b>				
Fr	FILTER RING			A TEMPORARY STONE BARRIER CONSTRUCTED AT STORM DRAIN INLETS AND POND OUTLETS.	Bf	BUFFER ZONE			AN UNDISTURBED NATURAL "GREEN BELT" SEPARATING THE LAND-DISTURBING SITE FROM SURROUNDING PROPERTY AND BORDERING STREAMS. IT SERVES TO REDUCE WATER VELOCITY AND REMOVE SOME SEDIMENT. IT IS ALSO AT TIMES A NOISE OR "VISION POLLUTION" BARRIER.
Ga	GABION			ROCK FILTER BASKETS WHICH ARE HAND-PLACED INTO POSITION FORMING SOIL STABILIZING STRUCTURES.	Cs	COASTAL DUNE STABILIZATION			PLANTING VEGETATION ON DUNES THAT ARE DENuded, ARTIFICIALLY CONSTRUCTED, OR RE-NOURISHED.
Gr	GRADE STABILIZATION STRUCTURE			PERMANENT STRUCTURES INSTALLED TO PROTECT NATURAL OR ARTIFICIAL CHANNELS OR WATERWAYS WHERE OTHERWISE THE SLOPE WOULD BE SUFFICIENT FOR THE RUNNING WATER TO FORM GULLIES.	Ds1	DISTURBED AREA STABILIZATION (w/MULCHING ONLY)			ESTABLISHING TEMPORARY PROTECTION FOR DISTURBED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDING COVER.
Lv	LEVEL SPREADER			A STRUCTURE TO CONVERT CON- CENTRATED FLOW OF WATERS INTO LESS ERODIVE SHEET FLOW. THIS SHOULD BE CONSTRUCTED ONLY ON UNDISTURBED SOILS.	Ds2	DISTURBED AREA STABILIZATION (w/TEMPORARY SEEDING)			ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Rd	ROCK FILTER DAM			A PERMANENT OR TEMPORARY STONE FILTER DAM INSTALLED ACROSS SMALL STREAMS OR DRAINAGEWAYS.	Ds3	DISTURBED AREA STABILIZATION (w/PERMANENT SEEDING)			ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, SOGS, GRASSES OR LEGUMES ON DISTURBED AREAS.
Re	RETAINING WALL			A WALL INSTALLED TO STABILIZE CUT AND FILL SLOPES WHERE MAXIMUM PERMISSIBLE SLOPES ARE NOT OBTAINABLE. EACH SITUATION WILL REQUIRE SPECIAL DESIGN.	Ds4	DISTURBED AREA STABILIZATION (WITH SOODING)			A PERMANENT VEGETATIVE COVER USING SOGS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.
Rt	RETROFITTING			A DEVICE OR STRUCTURE PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER.	Du	DUST CONTROL ON DISTURBED AREAS			CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE, ROADWAYS AND SIMILAR SITES.
Sd1	SEDIMENT BARRIER			A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, GRAVEL OR A SEDIMENT FENCE THE BARRIERS ARE USUALLY TEMPORARY AND INEXPENSIVE.	Mb	EROSION CONTROL MATTING AND BLANKETS			THE INSTALLATION OF A PROTECTIVE COVERING (BLANKET) OR SOIL STABILIZATION MAT ON A PREPARED PLANTING AREA OF A STEEP SLOPE, CHANNEL, OR SHORELINE.
					PM	POLYACRYLAMIDE (PAM)			THE LAND APPLICATION OF PRODUCT CONTAINING ANIONIC POLYACRYLAMIDE (PAM) AS TEMPORARY SOIL BINDING AGENTS TO REDUCE SOIL EROSION.
					Sb	STREAMBANK STABILIZATION (WITH PERMANENT VEGETATION)			THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS.
					Tb	TACKIFIERS AND BINDERS			SUBSTANCE USED TO ANCHOR STRAW OR HAY MULCH BY CAUSING THE ORGANIC MATERIAL TO BIND TOGETHER.

24-HOUR CONTACT OF - PATH FOUNDATION  
PETE PELLEGRINI  
GA GSWCC LEVEL I CERTIFICATION# 29813  
EXP. 12/12/2009  
404-875-7284 404-277-5392

APPROXIMATE SITEWORK ACTIVITY SCHEDULE

DESCRIPTION	MONTHS			
	1	2	3	4
SEDIMENT CONTROL-TREE PROTECTION				
CLEARING & GRUBBING	█			
GRADING	█	█		
TEMPORARY GRASSING		█		
PERMANENT GRASSING			█	
UTILITY INSTALLATION		█		
PAVING			█	
MAINT. OF EROSION CONTROL DEVICES			█	
FINAL LANDSCAPING				█
DISPOSITION OF SEDIMENT DEVICES				█

CRITICAL WORK ZONE EROSION CONTROL NOTES:

SHADED AREA SHOWN ON GRADING PHASE EROSION CONTROL PLANS REPRESENT CRITICAL WORK ZONES. AT THE END OF EACH WORK DAY ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT.

EROSION CONTROL NOTES

- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- SILT FENCE MUST BE INSTALLED WHERE SILT FENCING IS REQUIRED. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE C TEMPORARY SILT FENCE OF GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS 1993 EDITION.
- ANY DISTURBED AREAS LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- SITE AREA = 1.85 ACRES  
ON-SITE DISTURBED AREA = 1.85 ACRES
- EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST DAILY, AFTER EACH RAIN AND REPAIRED BY THE GENERAL CONTRACTOR.
- MAINTAIN CONSTRUCTION EXITS TO PREVENT TRACKING OF MUD INTO THE PUBLIC RIGHT-OF-WAY.
- FAILURE TO MAINTAIN EROSION CONTROL MEASURES COULD RESULT IN FINES AND/OR JAIL TIME.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES IF FULL IMPLEMENTATION OF THE APPROVED MEASURES DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ALL GRADED SLOPES 3:1 OR GREATER MUST BE HYDRO SEEDED AND COVERED WITH GOOD APPROVED WHEAT OR WOOD FIBER MATTING. IF NOT HYDRO-SEEDED, GOOD APPROVED MATTING THAT HAS BEEN IMPREGNATED WITH SEED AND FERTILIZER MUST BE USED. ALL SLOPES MUST BE PROPERLY PROTECTED UNTIL A PERMANENT VEGETATIVE STAND IS ESTABLISHED.
- ALL DISTURBED AREAS MUST BE SEEDED AND MULCHED AS SOON AS CLEARING IS ACHIEVED. ALSO, THESE DISTURBED AREAS MUST BE PROTECTED UNTIL PERMANENT VEGETATION IS ESTABLISHED.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
- ADDITIONAL EROSION CONTROL MEASURES AS DEEMED BY JURISDICTIONAL INSPECTORS SHALL BE IMPLEMENTED IN A TIMELY FASHION.
- TEMPORARY STABILIZATION IS REQUIRED WITHIN 14 DAYS OF LAND DISTURBANCE. PERMANENT STABILIZATION IS REQUIRED WITHIN 30 DAYS OF LAND DISTURBANCE.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL MEASURES BEYOND THE APPROVED PLAN SHALL BE IMPLEMENTED AS NECESSARY.
- SILT FENCE SHALL BE TYPE "C" AS PER THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, AND BE WIRE REINFORCED.
- NO CONCRETE WASH DOWN OF THE CONCRETE DRUM AT THE CONSTRUCTION SITE ALLOWED.
- NON EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- WASTE MATERIAL SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY SECTION 404 PERMIT.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

SILT FENCE CALCULATIONS  
DISTURBED AREA= 1.55 ACRES  
REQUIRED - 100 LF SILT FENCE PER 1/2 ACRE OF DISTURBED AREA  
1.55/.25 = 6.2  
6.2 X 100 = 620 LF  
PROVIDED = 1998 LF

RUNOFF COEFFICIENT  
WEIGHTED PRE CONSTRUCTION CN CURVE NUMBER 72.90  
WEIGHTED POST CONSTRUCTION CN CURVE NUMBER 73.13

**SEDIMENT TRAP OMISSION**  
THIS PROJECT IS UNLAWFUL IN NATURE WITH VERY LIMITED OPPORTUNITY TO LOCATE A SEDIMENT TRAP BETWEEN THE AREA OF DISTURBANCE AND THE RECEIVING WATERS. FURTHER, THE LINEAR NATURE OF THE PROJECT LIMITS A SEDIMENT TRAP'S CAPTURE ZONE TO DISCREET, ISOLATED AREAS RATHER THAN PROVIDING A SEDIMENT MANAGEMENT BENEFIT FOR THE OVERALL PROJECT OR SIGNIFICANT PORTIONS THEREOF. IT IS THE OPINION OF THE ENGINEER THAT THE INCLUSION OF SEDIMENT PONDS IN SUCH CLOSE PROXIMITY TO THE STREAM BUFFERS AND RECEIVING WATERS WOULD RESULT IN A NET DETRIMENT TO THE CONDITIONS IN THESE STREAMS BY DISRUPTING AND DISTURBING THE BARRIERS. TO OFFSET THE LACK OF SEDIMENT TRAPS, THE EROSION PLANS INCLUDE DOUBLE ROWS OF SILT FENCE, OTHER STRUCTURAL/PROCEDURAL MEASURES, AND AN INTENSIVE SEEDING AND STABILIZATION PROGRAM TO REDUCE THE SEDIMENT GENERATED AT THE SOURCE RATHER THAN TRYING TO CAPTURE THE SEDIMENT AFTER IT MOBILIZES.

**FLOODPLAIN AND STATE WATERS IMPACTS**  
IN ALL LOCATIONS WHERE THE ALIGNMENT OF THE PROPOSED IMPROVEMENTS CROSS THE DELINEATED 100-YEAR FLOOD PLAIN, ALL ACCESS ROADS AND IMPROVEMENTS SHALL BE EXCAVATED SUCH THAT FINAL GRADES OF SUCH ARE AT THE EXISTING ELEVATION OR LOWER.  
DISTURBANCE IN THE STREAM BUFFER AT THESE CROSSINGS WILL BE AVOIDED TO ACCOMMODATE THE STREAM CROSSING AND SEWER INSTALLATION.

**SPILL CLEANUP AND CONTROL PRACTICES**

- LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE SHEEN ON SURFACE WATER). THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.
- FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ON-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

**PRODUCT SPECIFIC PRACTICES**

PETROLEUM BASED PRODUCTS- CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS-ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING-NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON-SITE.

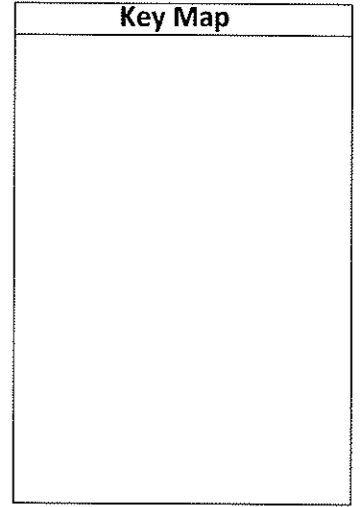
FERTILIZER/HERBICIDES- THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS- NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.



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Key Map



SOUTH PEACHTREE CREEK TRAIL - PHASE 2  
PATH FOUNDATION

ISSUE	DATE	DESCRIPTION
PROJECT NUMBER	391092-83416	
PROJECT MANAGER	WRB	



EROSION & SEDIMENT CONTROL NPDES NOTES

SCALE	N/A
FILE NAME	83416-01-350
SHEET NAME	EC-5

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CALL US FIRST!  
1-800-282-7411  
UTILITIES PROTECTION CENTER  
IT'S THE LAW!





MATERIAL	APPLICATION RATE
Straw, Hay	6"-10" Depth 2.5 Tons/Acre
Pine Needles	4"-6" Depth
Wood Waste	4"-8" Depth
Cutback Asphalt	1200 Gal./Acre
Polyethylene Film To Completely Cover	
Erosion Control In Accordance with Matting	

**DS1 MULCHING ONLY**

SPECIES	Rate per 1000 sq. ft.		Planting Dates <sup>2</sup>
	Rate per 1000 sq. ft.	Rate per Acre	
Rye	3 lbs	2-3 bu.	9/1-1/1
Ryegrass	1 lb	40-50 lbs.	3/1-4/1
Rye and Annual Lespedeza	1 1/2 lbs	1-1 1/2 bu.	3/1-4/1
Lespedeza Weeping	1/2 lb	20-25 lbs.	3/1-4/1
Lovegrass	0.2 lbs	4-6 lbs.	3/1-8/15
Sudangrass	1 lb	35-45 lbs.	4/1-7/15
Erodown	1 lb	30-40 lbs.	4/1-7/15
Millet	1 lb	30-40 lbs.	4/1-7/15
Wheat	3 lbs	2-3 bu.	10/15-1/1

1. Unusual site conditions may require heavier seeding rates.  
2. Seeding dates may need to be altered to fit temperature variations and local conditions.

**DS2 TEMPORARY GRASSING**

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

SPECIES	Rate per 1000 sq. ft.		Planting Dates <sup>2</sup>
	Rate per 1000 sq. ft.	Rate per Acre	
Lespedeza (unconfined)	1.7 lb.	75 lbs.	1/1-12/31
Lovegrass (weeping)	4 lbs.	0.1 lbs.	3/1-6/15
Bermuda (continuous)	0.2 lb.	10 lbs.	3/1-10/1
Lespedeza Sericea	1.7 lb.	75 lbs.	1/1-12/31

**DS3 PERMANENT GRASSING**

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR FURTHER DETAILS.

FERTILIZER TYPE	FERTILIZER RATE (lbs./acre)	FERTILIZER RATE (lbs./sq.ft.)	SEASON
10-10-10	1000	.025	FALL

**DS4 DISTURBED AREA STABILIZATION**

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" AND SOO DETAIL ON SHEET 00L-801 FOR FURTHER DETAILS.

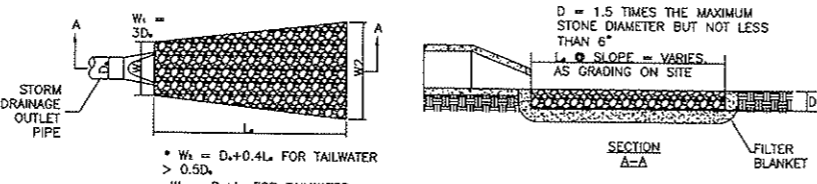
TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	30-100 lbs./ac. 1/2"
	Second	6-12-12	1000 lbs./ac.	30
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-20 lbs./ac. 1/2"
	Second	6-12-12	1000 lbs./ac.	-
3. Ground covers	First	10-10-10	1200 lbs./ac. 2/3"	-
	Second	10-10-10	1000 lbs./ac. 3/4"	-
4. Pine seedlings	First	20-10-0	one 25-gallon packet per seedling placed in the closing hole	-
5. Shrub Lespedeza	First	9-10-10	700 lbs./ac.	-
	Maintenance	9-10-10	700 lbs./ac. 4/5"	-
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 3/4"
7. Warm season grasses	First	6-12-12	1500 lbs./ac.	30-100 lbs./ac. 2/3"
	Second	6-12-12	1000 lbs./ac.	30-100 lbs./ac. 2/3"
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	30 lbs./ac. 6/8"
	Second	6-12-12	1000 lbs./ac.	30

1. Apply in spring following seeding.  
2. Apply in 3 split applications.  
3. Apply when plants are seeded.  
4. Apply to grass species only.  
5. Apply when plants grow to a height of 2 to 4 inches.

**MULCHING RATES:**  
1. DRY STRAW: 2 TONS PER ACRE.  
2. DRY HAY: 2-1/2 TONS PER ACRE.  
3. FOR HYDRAULIC SEEDING USE WOOD CELLULOSE MULCH OR WOOD PULP FIBER AT THE RATE OF 500 POUNDS PER ACRE.

**FERTILIZER AND MULCHING REQUIREMENTS**

REFER TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN THE STATE OF GEORGIA" FOR FURTHER DETAILS AND SPECIFICATIONS.

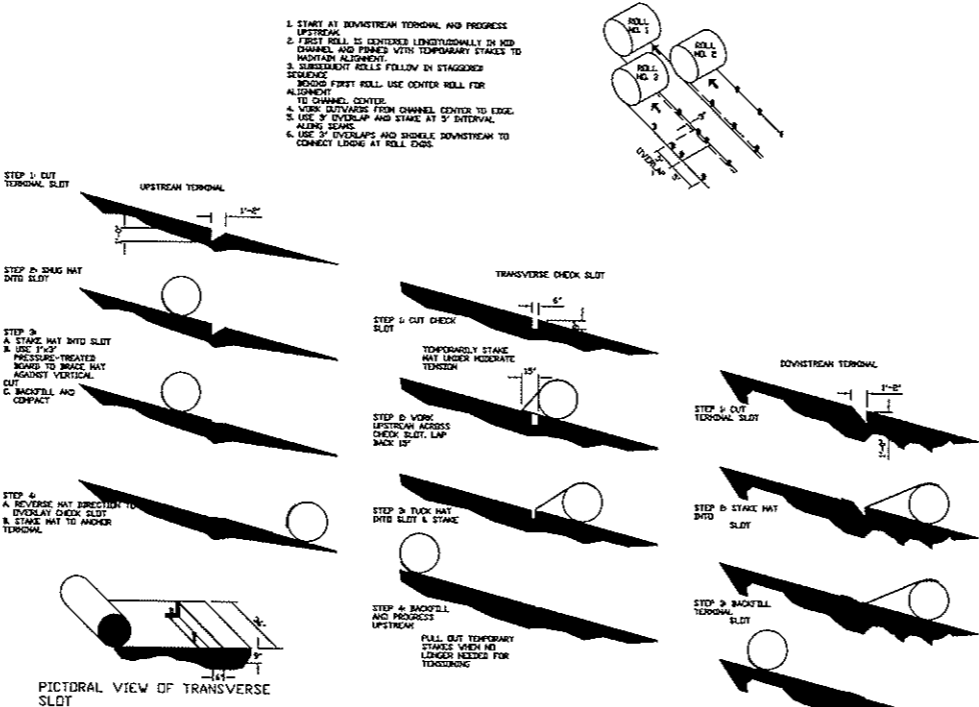


**St STORM DRAIN OUTLET PROTECTION**  
(NOT TO SCALE)

**STORM DRAIN OUTLET PROTECTION CONSTRUCTION SPECIFICATIONS AND MAINTENANCE**

- ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW AREAS IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING THE RIPRAP THICKNESS.
- THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.
- GEOTEXTILE MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER FABRIC OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP A MINIMUM OF 1 FT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE GEOTEXTILE.
- RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER.
- THE MINIMUM THICKNESS OF THE RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
- RIPRAP MAY BE FIELD STONE OR ROUGH QUARRY STONE. IT SHOULD BE HARD, ANGULAR, HIGHLY WEATHER-RESISTANT AND WELL GRADED.
- CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFALL AT THE END. MAKE THE TOP OF RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
- ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT ITS LENGTH. IF A CURVE IS NEEDED TO FIT SITE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.
- IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.
- STONE QUALITY - SELECT STONE FOR RIPRAP FROM FIELD STONE OR QUARRY STONE. THE STONE SHOULD BE HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT. THE SPECIFIC GRAVITY OF THE INDIVIDUAL STONES SHOULD BE AT LEAST 2.5.
- FILTER - INSTALL A FILTER TO PREVENT SOIL MOVEMENT THROUGH THE OPENINGS IN THE RIPRAP. THE FILTER SHOULD CONSIST OF A GRADED GRAVEL LAYER OR A SYNTHETIC FILTER CLOTH.
- INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.
- THE APRON SHALL BE LOCATED SO THAT THERE ARE NO BENDS IN THE HORIZONTAL ALIGNMENT.

**SEQUENTIAL ROLL RUN OUT IN CHANNELS**

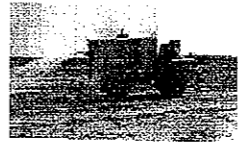


**MAINTENANCE:**  
ALL CROSSING CONTROL BLANKETS AND MATTING INSTALLATION, PARTICULARLY AFTER RAINFALLING TO CHECK FOR DISJUNCTION AND UNDERMINING. ANY DISJUNCTION OR FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF DISJUNCTIONS OR UNDERMINING OCCURS, REINSTALL THE MATTING, AFTER REPAIRING DAMAGE TO THE SLURR OR BITOL, CONTINUE TO MONITOR THESE AREAS UNTIL THEY BECOME PERMANENTLY STABILIZED.

**TYPICAL INSTALLATION GUIDELINES FOR MATTING & BLANKETS**

SCALE: N.T.S.

**Dust Control on Disturbed Areas**



**DEFINITION:** Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

**PURPOSE:** To prevent surface and air movement of dust from exposed soil surfaces.

**CONDITIONS:** This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

**METHOD AND MATERIALS**

**A. TEMPORARY METHODS**

Mulches: See standard D41 - Disturbed Area Stabilization (With Temporary Seeding). Synthetic mulches may be used instead of asphalt to bind mulch material. Refer to standard T6-Tackifiers and Binders. Ricams such as Curvex or Tackbond should be used according to manufacturer's recommendations.

Vegetative Cover: See standard D42 - Disturbed Area Stabilization (With Temporary Seeding).

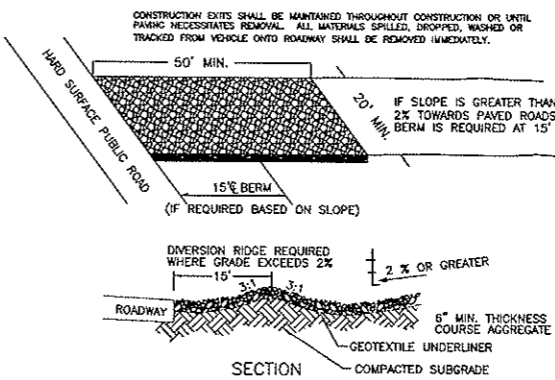
Spray-on Adhesives: These are used on mineral soils (not effective on rocks/s). Keep traffic off these areas. Refer to standard T6-Tackifiers and Binders.

CAUTION (Revised 2000)

6 51

**SOUTH PEACHTREE CREEK TRAIL - PHASE 2 PATH FOUNDATION**

ISSUE	DATE	DESCRIPTION
PROJECT NUMBER	391092-83416	
PROJECT MANAGER	WRB	



- STABILIZED STONE PAD (MIN. THICKNESS = 6") W/ GEOTEXTILE UNDERLINER
- STONE SIZE = N.S.A. R-2 (1.5"-3.0") COARSE AGGREGATE
- PROVIDE PERIODIC TOP DRESSING WITH 2" STONE AS NECESSARY. WHEELS MUST BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC OR PRIVATE ROADWAYS. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON THE STONE PAD WHICH DRAINS TO AN APPROVED SEDIMENT TRAP OR BASIN.
- MAINTENANCE AND REMOVAL REQUIREMENTS:  
- MAINTAIN THE AGGREGATE PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE A PERIODIC TOP DRESSING OF TWO INCHES OF AGGREGATE.  
- REMOVE AND REPLACE THE STONE WHEN Voids BETWEEN THE AGGREGATES ARE FILLED WITH FINES.  
- AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND CLEAN IT OUT AS NECESSARY.  
- ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED IMMEDIATELY AND PLACED IN A LOCATION AND STABILIZED SO THAT IT WILL NOT ENTER INTO THE EGRESS AREA AGAIN.

**STONE PAD CONSTRUCTION EXIT**

SCALE: N.T.S.

XIA ZHU  
GSWCC NO. 40324 EXP: 03/22/2010



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**EROSION & SEDIMENT CONTROL DETAILS**

SCALE	N/A
FILE NAME	83416-01-350
SHEET NAME	EC-8



HDR Engineering, Inc.  
301 Perimeter Center North, Ste. 400  
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**Key Map**



